

Serial No.: R53b Div of SN 10/238,587
filed September 11, 2002

IN THE CLAIMS:

1.-8. (Cancelled)

9. (New) A semiconductor integrated circuit device used for an optical disc apparatus having converging means for converging a light spot on the surface of an optical disc, an optical head which has first moving means for moving the light spot, which is applied to the surface of the optical disc, radially across the surface of the optical disc, and second moving means for moving the optical head radially across the surface of the optical disc, for recording or reproducing information, comprising:

spot position detection means for generating a spot position signal which indicates a positional difference in a radial direction of the optical disc, between a center of the optical head and the light spot on a receiving element on the optical head, from an electrical signal outputted by the optical head;

tracking error detection means for generating a tracking error signal which indicates a positional dislocation between the light spot and a track on an optical disc;

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first control means for causing a phase compensation loop filter to filter the spot position signal or the tracking error signal to generate a first processed signal and outputting the first processed signal to the first moving means;

second control means for causing a traverse loop filter to filter the spot position signal to generate a second processed signal and outputting the second processed signal to the second moving means; and

system operation control means for operating the first control means to cause the phase compensation loop filter to filter the spot position signal, said filtering being a phase-lag compensation and a phase-lead compensation filtering,

said system operation control means for switching from the spot position signal to the tracking error signal to cause the phase compensation loop filter to filter the tracking error signal, said filtering being a phase-lag compensation and a phase-lead compensation filtering, and operating the second control means after operating the first control means.

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10. (New) The semiconductor integrated circuit device of claim 9 wherein

the spot position signal detection means and the tracking error detection means are separated from the semiconductor integrated circuit device and is contained in another semiconductor integrated circuit device.